

FORM PTO-1390
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

WARF B206/13238-00005

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/555362INTERNATIONAL APPLICATION NO.
PCT/US98/25314INTERNATIONAL FILING DATE
27 November 1998 (27.11.98)PRIORITY DATE CLAIMED
28 November 1997 (28.11.97)

TITLE OF INVENTION

CDNAs and Proteins Involved in Hypoxia, Circadian and Orphan Signal Transduction Pathways, and Methods of Use

APPLICANT(S) FOR DO/EO/US
Christopher A. Bradfield, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
 2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
 3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).
 4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
 5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
 6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
 7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
 8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
 9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11. to 16. below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
 12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
 13. ☐ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
 14. ☐ A substitute specification.
 15. ☒ A change of power of attorney and/or address letter.
 16. ☒ Other items or information: Copy of Form PCT/IB/308 (July 1996)
Request for Change in Agent's Address

U.S. APPLICATION NO. (if known see 31 CFR 1.5)

INTERNATIONAL APPLICATION NO.
PCT/US98/25314ATTORNEY'S DOCKET NUMBER
WARFB206/13238-00005

09/555362

17. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5))**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO \$970.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$840.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but
international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$760.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00

ENTER APPROPRIATE BASIC FEE AMOUNT =**CALCULATIONS PTO USE ONLY**

\$ 96.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☒ 30
months from the earliest claimed priority date (37 CFR 1.492(c)).

\$ 130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	43 -20 =	23	X \$18.00	\$	414.00
Independent claims	15 -3 =	12	X \$78.00	\$	936.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$260.00	\$	260.00
TOTAL OF ABOVE CALCULATIONS =				\$	1,836.00
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	918.00
SUBTOTAL =				\$	918.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0.00
TOTAL NATIONAL FEE =				\$	918.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	0.00
TOTAL FEES ENCLOSED =				\$	918.00
				Amount to be: refunded	\$
				charged	\$

- a. ☒ A check in the amount of \$ 918.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 50-1089 A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

Janet E. Reed
Saul, Ewing, Remick & Saul LLP
Centre Square West
1500 Market Street, 38th Floor
Philadelphia, PA 19102-2186
USA

SIGNATURE

Janet E. Reed

NAME

36,252

REGISTRATION NUMBER

PAUL EWING REMICK & SAUL L. LEBOWITZ
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 Philadelphia, PA 19102-2186
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09/555362

COMMISSIONER OF PATENTS AND TRADEMARKS Washington DC 20231	Date of Mailing May 30, 2000
BOX PCT	Applicant's or Agent's Reference WARF B206/13238-00005
IDENTIFICATION OF THE INTERNATIONAL APPLICATION	
Int'l Appln. No. PCT/US98/25314	Int'l Filing Date 27 November 1998
Applicant (name) Christopher A. Bradfield, et al.	
TRANSMITTAL OF LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)	

CERTIFICATE OF MAILING
BY EXPRESS MAIL UNDER 37 CFR §1.10

NUMBER OF EXPRESS MAIL MAILING LABEL **EL582439015US**

DATE OF DEPOSIT WITH POSTAL SERVICE May 30, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. §1.10 on the date indicated above, and is addressed to the COMMISSIONER OF PATENTS AND TRADEMARKS, Washington, D.C. 20231

Felecia J. Williams
 Typed or Printed Name of Person
 Mailing Paper or Fee

Felecia J. Williams
 Signature of Person Mailing Paper or Fee

REQUEST FOR CHANGE IN AGENT'S ADDRESS

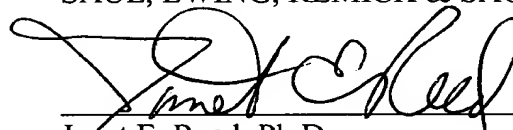
The correspondence address of Applicants' undersigned agent has changed. Accordingly, pursuant to PCT Rule 92 *bis*, Applicants request that the International Bureau records the change of the agent's address to the following:

Saul, Ewing, Remick & Saul, L.L.P.
Centre Square West
1500 Market Street, 38th Floor
Philadelphia, PA 19102-2186, United States of America
telephone: (215) 972-8386
facsimile: (215) 972-2292

Applicants further request the International Bureau to notify all Offices and PCT Authorities interested in the change accordingly.

In the event a fee is required and not enclosed, the Commissioner is authorized to charge any fee to the account of the undersigned attorneys, Account No. 50-1089.

Respectfully Submitted,
SAUL, EWING, REMICK & SAUL, L.L.P.



Janet E. Reed, Ph.D.
PTO Registration No. 36,252